

4005 - CIVIL ENGINEERING DRAWING – II										
Teaching Schedule Per Week			Progressive Assessment	Examination Schedule (Marks)						
Lectures	Practical	Credits		Theory			Practical Ex.		Total	
1	4	5	50	0	0		50		100	
Pre-requisite		Source	Semester	Theory	Test	Total	TW	PR	Gr Total	4
4002		CVL		—	—	—	50	50	100	

**RATIONALE:** - The students should be able to read the given building drawings and other components of the building. Develop and produce any Civil Engineering drawing as per standards like IS 962- 1962. The drawing should include the orthographic projections such as plan, elevation, side elevation, sections of buildings. Detailing and dimensioning of the drawings with standard size of letters.

COURSE CONTENTS	Hrs.	Mks
<b>1. BUILDING DRAWING</b> Preparation of submission drawings for approval, contents in the submission drawing. Detailing important components of building. Preparation of submission file, necessary documents like sale deed, sanad, and other relevant papers.	6	-
<b>2. WORKING DRAWING OF A BUILDING</b> Plan, elevation, sectional views, site plan and foundation plan.	4	-
<b>3. AREA STATEMENTS</b> Coverage, F.A.R/F.S.I. Different Passing Authorities like P.D.A., Town and Country Planning, Health Department, Panchayat, P. W. D. and Environmental Pollution Control Board.	3	-
<b>4. MEASURED DRAWING</b> Taking measurements of an existing building and preparing dimensioned drawing. Importance and necessity of measured drawings.	2	-
<b>5. SUB-DIVISION OF PLOTS</b> Principles of sub-division of plots.	1	-
<b>Total</b>	<b>16</b>	<b>-</b>

#### TERM WORK

A sketch book containing the sketches of the following- Line plans of the residential buildings with different combinations like two rooms, four rooms etc., Detailed and enlarged sketches of internal units of the building like-Kitchen, Bedroom, Toilet, W. C. and Bath, Plans of different types of stairs showing all the components including the supporting structure, Design and drawing of plan and sectional view of dog-legged stair with detailed dimensions. (No R.C.C. design), Detailed drawings of cross- drainage works: - Any two of (i) Single pipe culvert ii) Double pipe culvert iii) Slab culvert iv) Box culvert..	26 hrs
Measured drawing of any residential building with at least two bed-room unit.	12 hrs
One sheet on detailed sub-division of plots.	8 hrs
One sheet on detailed drawing of residential building developed from a given line diagram including plan, elevation and section, (Minimum two sections, one through staircase, one through the toilet) schedule of doors and windows, Area statement, construction details, roof plan. (Either load bearing or framed structure).	18 hrs

#### REFERENCE BOOKS

1. Building drawing by Shah, Kale and Patki